Newly presented claims 44 - 64 cover the same patentable invention as claims 1 - 5, 6 - 8, 10 - 18, 20 - 21, and 23 - 25 of Titterington U.S. Patent No. 6,464,846 issued on October 15, 2002. It is believed that an interference should be declared on the following proposed counts:

COUNT I

An electrically-conductive compression pad suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising:

a single sheet of electrically-conductive material, said single sheet of electrically-conductive material having a top surface and a bottom surface; and

elastomeric material arranged on said single sheet of electrically-conductive material in such a way that, when said elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom surface of said single sheet.

Claim 1 of U.S. Patent No. 6,464,846 and claim 44 of the instant application correspond to proposed Count I.

The terms of the application claim 44 corresponding to proposed Count I are supported in Applicants' specification as follows:

Terms in Claim	Supporting Language in Specification
44. An electrically-conductive compression pad	pressure pad 82, figures 3, 4A and 4B
suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising:	cell system 60, figure 3
a single sheet of electrically-conductive material,	electrically conductive sheet 90, figures 4A and B, page 14, lines 7-19

said single sheet of electrically-conductive material having a top surface and a bottom surface; and surfaces of sheet 90 are shown in figures 4A and B although not numbered; page 14, lines 7-19

elastomeric material

elastomeric member 92, figures 4A and B, page 14, line 7 – page 15, line 9

arranged on said single sheet of electricallyconductive material in such a way that, when said elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom surface of said single sheet. "to provide for even distribution of compression" and "to assist in providing for the even distribution of compression," page 12, lines 1-21

COUNT II

An electrically-conductive compression pad suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising:

a single sheet of electrically-conductive material, said single sheet of electrically-conductive material having a top surface and a bottom surface;

elastomeric material arranged on said single sheet of electrically-conductive material in such a way that, when said elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom surface of said

single sheet; and

wherein said elastomeric material is arranged on each of said top and bottom surfaces of said single sheet and wherein said single sheet of electrically-conductive material is bent to lie flush with said elastomeric material at one or more points on each of said top and bottom surfaces when said elastomeric material is compressed.

Claims 1 and 2 of U.S. Patent No. 6,464,846 and claims 44 and 45 of the instant application correspond to proposed Count II.

The terms of the application claims 44 and 45 corresponding to proposed Count II are supported in Applicants' specification as follows:

Terms in Claims	Supporting Language in Specification
44. An electrically-conductive compression pad	pressure pad 82, figures 3, 4A and 4B
suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising:	cell system 60, figure 3
a single sheet of electrically-conductive material,	electrically conductive sheet 90, figures 4A and B, page 14, lines 7-19

said single sheet of electrically-conductive material having a top surface and a bottom surface; and	surfaces of sheet 90 are shown in figures 4A and B although not numbered; page 14, lines 7-19
elastomeric material	elastomeric member 92, figures 4A and B, page 14, line 7 – page 15, line 9
arranged on said single sheet of electrically-conductive material in such a way that, when said elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom surface of said single sheet.	"to provide for even distribution of compression " and "to assist in providing for the even distribution of compression," page 12, lines 1-21
45. The electrically-conductive compression pad as claimed in claim 44 wherein said elastomeric material is arranged on each of said top and bottom surfaces of said single sheet	elastomeric member 92 is shown in figures 4A and B at both the top and bottom surfaces of electrically conductive sheet 90
and wherein said single sheet of electrically-conductive material is bent to lie flush with said elastomeric material at one or more points on each of said top and bottom surfaces when said elastomeric material is compressed.	corrugated sheet 90 has depressed portions 98 and raised portions 94 which are shown flush with elastomeric member 92 in figure 4A and recessed in Figure 4B, of the same pressure pad 82, page 14, line 7 - page 15, line 9

COUNT III

An electrically-conductive compression pad suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising:

a single sheet of electrically-conductive material, said single sheet of electrically-conductive material having a top surface and a bottom surface;

elastomeric material arranged on said single sheet of electrically-conductive material in such a way that, when said elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom surface of said

single sheet;

wherein said elastomeric material is arranged on each of said top and bottom surfaces of said single sheet and wherein said single sheet of electrically-conductive material is bent to lie flush with said elastomeric material at one or more points on each of said top and bottom surfaces when said elastomeric material is compressed; and

wherein said single sheet of electrically-conductive material is a sheet of metal.

Claims 1 - 3 of U.S. Patent No. 6,464,846 and claims 44 - 46 of the instant application correspond to proposed Count III.

The terms of the application claims 44 - 46 corresponding to proposed Count III are supported in Applicants' specification as follows:

Terms in Claims	Supporting Language in Specification
44. An electrically-conductive compression pad	pressure pad 82, figures 3, 4A and 4B
suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising:	cell system 60, figure 3
a single sheet of electrically-conductive material,	electrically conductive sheet 90, figures 4A and B, page 14, lines 7-19

said single sheet of electrically-conductive material having a top surface and a bottom surface; and	surfaces of sheet 90 are shown in figures 4A and B although not numbered; page 14, lines 7-19
elastomeric material	elastomeric member 92, figures 4A and B, page 14, line 7 – page 15, line 9
arranged on said single sheet of electrically-conductive material in such a way that, when said elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom surface of said single sheet.	"to provide for even distribution of compression" and "to assist in providing for the even distribution of compression," page 12, lines 1-21
45. The electrically-conductive compression pad as claimed in claim 44 wherein said elastomeric material is arranged on each of said top and bottom surfaces of said single sheet	elastomeric member 92 is shown in figures 4A and B at both the top and bottom surfaces of electrically conductive sheet 90
and wherein said single sheet of electrically- conductive material is bent to lie flush with said elastomeric material at one or more points on each of said top and bottom surfaces when said elastomeric material is compressed.	corrugated sheet 90 has depressed portions 98 and raised portions 94 which are shown flush with elastomeric member 92 in figure 4A and recessed in figure 4B, of the same pressure pad 82, page 14, line 7 – page 15, line 9
46. The electrically-conductive compression pad as claimed in claim 45 wherein said single sheet of electrically-conductive material is a sheet of metal.	suitable electrically conductive materials include "conductive metals," page 12, lines 1-14

COUNT IV

An electrically-conductive compression pad suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising:

a single sheet of electrically-conductive material, said single sheet of electrically-conductive material having a top surface and a bottom surface;

elastomeric material arranged on said single sheet of electrically-conductive material in such a way that, when said elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom surface of said single sheet; wherein said elastomeric material is arranged on each of said top and bottom surfaces of said single sheet;

wherein said single sheet of electrically-conductive material is bent to lie flush with said elastomeric material at one or more points on each of said top and bottom surfaces when said elastomeric material is compressed;

wherein said single sheet of electrically-conductive material is a sheet of metal; and

wherein said metal is selected from the group consisting of niobium, titanium, zirconium, tantalum, copper, nickel, steel, and hastelloys.

Claims 1 - 4 of U.S. Patent No. 6,464,846 and claims 44 - 47 of the instant application correspond to proposed Count IV.

The terms of the application claims 44 - 47 corresponding to proposed Count IV are supported in Applicants' specification as follows:

Terms in Claims	Supporting Language in Specification
44. An electrically-conductive compression pad	pressure pad 82, figures 3, 4A and 4B
suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising:	cell system 60, figure 3

a single sheet of electrically-conductive material,	electrically conductive sheet 90, figures 4A and B, page 14, lines 7-19
said single sheet of electrically-conductive material having a top surface and a bottom surface; and	surfaces of sheet 90 are shown in figures 4A and B although not numbered; page 14, lines 7-19
elastomeric material	elastomeric member 92, figures 4A and B, page 14, line 7 – page 15, line 9
arranged on said single sheet of electrically-conductive material in such a way that, when said elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom surface of said single sheet.	"to provide for even distribution of compression" and "to assist in providing for the even distribution of compression," page 12, lines 1-21
45. The electrically-conductive compression pad as claimed in claim 44 wherein said elastomeric material is arranged on each of said top and bottom surfaces of said single sheet	elastomeric member 92 is shown in figures 4A and B at both the top and bottom surfaces of electrically conductive sheet 90
and wherein said single sheet of electrically- conductive material is bent to lie flush with said elastomeric material at one or more points on each of said top and bottom surfaces when said elastomeric material is compressed.	corrugated sheet 90 has depressed portions 98 and raised portions 94 which are shown flush with elastomeric member 92 in figure 4A and recessed in figure 4B, of the same pressure pad 82, page 14, line 7 – page 15, line 9
46. The electrically-conductive compression pad as claimed in claim 45 wherein said single sheet of electrically-conductive material is a sheet of metal.	suitable electrically conductive materials include "conductive metals," page 12, lines 1-14
47. The electrically-conductive compression pad as claimed in claim 46 wherein said metal is selected from the group consisting of niobium, titanium, zirconium, tantalum, copper, nickel, steel, and hastelloys.	suitable electrically conductive materials include niobium, titanium, zirconium, tantalum, copper, nickel, steel, and hastelloys, page 12, lines 1-14

COUNT V

An electrically-conductive compression pad suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising:

a single sheet of electrically-conductive material, said single sheet of electrically-conductive material having a top surface and a bottom surface;

elastomeric material arranged on said single sheet of electrically-conductive material in such a way that, when said elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom surface of said

single sheet;

wherein said elastomeric material is arranged on each of said top and bottom surfaces of said single sheet and wherein said single sheet of electrically-conductive material is bent to lie flush with said elastomeric material at one or more points on each of said top and bottom surfaces when said elastomeric material is compressed;

wherein said single sheet of electrically-conductive material is a sheet of metal; and wherein said metal is niobium.

Claims 1 - 5 of U.S. Patent No. 6,464,846 and claims 44 - 46 and 48 of the instant application substantially correspond to proposed Count V.

The terms of the application claims 44 – 46 and 48 corresponding to proposed Count V are supported in Applicants' specification as follows:

Terms in Claims	Supporting Language in Specification
44. An electrically-conductive compression	pressure pad 82, figures 3, 4A and 4B
pad	
suitable for use in an electrolysis cell stack,	cell system 60, figure 3
said electrically-conductive compression pad	
comprising:	

a single sheet of electrically-conductive material,	electrically conductive sheet 90, figures 4A and B, page 14, lines 7-19
said single sheet of electrically-conductive material having a top surface and a bottom surface; and	surfaces of sheet 90 are shown in figures 4A and B although not numbered; page 14, lines 7-19
elastomeric material	elastomeric member 92, figures 4A and B, page 14, line 7 – page 15, line 9
arranged on said single sheet of electrically- conductive material in such a way that, when said elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom surface of said single sheet.	"to provide for even distribution of compression" and "to assist in providing for the even distribution of compression," page 12, lines 1-21
45. The electrically-conductive compression pad as claimed in claim 44 wherein said elastomeric material is arranged on each of said top and bottom surfaces of said single sheet	elastomeric member 92 is shown in figures 4A and B at both the top and bottom surfaces of electrically conductive sheet 90
and wherein said single sheet of electrically- conductive material is bent to lie flush with said elastomeric material at one or more points on each of said top and bottom surfaces when said elastomeric material is compressed.	corrugated sheet 90 has depressed portions 98 and raised portions 94 which are shown flush with elastomeric member 92 in figure 4A and recessed in figure 4B, of the same pressure pad 82, page 14, line 7 – page 15, line 9
46. The electrically-conductive compression pad as claimed in claim 45 wherein said single sheet of electrically-conductive material is a sheet of metal.	suitable electrically conductive materials include "conductive metals," page 12, lines 1-14
48. The electrically-conductive compression pad as claimed in claim 46 wherein said metal is niobium.	suitable electrically conductive materials include niobium, page 12, lines 1-14

COUNT VI

An electrically-conductive compression pad suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising:

a single sheet of electrically-conductive material, said single sheet of electrically-conductive material having a top surface and a bottom surface;

elastomeric material arranged on said single sheet of electrically-conductive material in such a way that, when said elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom surface of said single sheet;

wherein said elastomeric material is arranged on each of said top and bottom surfaces of said single sheet and wherein said single sheet of electrically-conductive material is bent to lie flush with said elastomeric material at one or more points on each of said top and bottom surfaces when said elastomeric material is compressed; and

wherein said elastomeric material is a rubber.

Claims 1, 2, and 7 of U.S. Patent No. 6,464,846 and claims 44, 45, and 49 of the instant application substantially correspond to proposed Count VI

The terms of the application claims 44, 45, and 49 corresponding to proposed Count VI are supported in Applicants' specification as follows:

Terms in Claims	Supporting Language in Specification
44. An electrically-conductive compression pad	pressure pad 82, figures 3, 4A and 4B
suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising:	cell system 60, figure 3
a single sheet of electrically-conductive material,	electrically conductive sheet 90, figures 4A and B, page 14, lines 7-19

said single sheet of electrically-conductive surfaces of sheet 90 are shown in figures 4A material having a top surface and a bottom and B although not numbered; page 14, lines 7surface: and 19 elastomeric material elastomeric member 92, figures 4A and B, page 14, line 7 – page 15, line 9 arranged on said single sheet of electrically-"to provide for even distribution of conductive material in such a way that, when compression " and "to assist in providing for said elastomeric material is compressed, the even distribution of compression," page 12, substantially uniform pressure is exerted across lines 1-21 each of said top surface and said bottom surface of said single sheet. 45. The electrically-conductive compression elastomeric member 92 is shown in figures 4A pad as claimed in claim 44 wherein said and B at both the top and bottom surfaces of elastomeric material is arranged on each of electrically conductive sheet 90 said top and bottom surfaces of said single sheet and wherein said single sheet of electricallycorrugated sheet 90 has depressed portions 98 conductive material is bent to lie flush with and raised portions 94 which are shown flush said elastomeric material at one or more points with elastomeric member 92 in figure 4A and on each of said top and bottom surfaces when recessed in figure 4B, of the same pressure pad said elastomeric material is compressed. 82, page 14, line 7 – page 15, line 9 49. The electrically-conductive compression The term "rubber" is defined in U.S. Patent No. pad as claimed in claim 45 wherein said 6,464,846 as "elastomeric material including elastomeric material is a rubber. rubbers, such as silicone rubber, fluorosilicone rubber, nitrite rubber, and polyurethane," see column 6, lines 33-35 of U.S. Patent No. 6,464,846. The present application recites "suitable elastomeric materials include, but are not limited to silicones, such as, for example, fluorosilicones, fluoroelastomers...," see page 12, lines 16-21. In accordance with the use of the term "rubber" in U.S. Patent No. 6,464,846, the present application recites specifics of what are generally referred to as "rubber."

COUNT VII

An electrically-conductive compression pad suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising:

a single sheet of electrically-conductive material, said single sheet of electrically-conductive material having a top surface and a bottom surface;

elastomeric material arranged on said single sheet of electrically-conductive material in such a way that, when said elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom surface of said single sheet;

wherein said elastomeric material is arranged on each of said top and bottom surfaces of said single sheet and wherein said single sheet of electrically-conductive material is bent to lie flush with said elastomeric material at one or more points on each of said top and bottom surfaces when said elastomeric material is compressed; and

wherein said elastomeric material is a silicone.

Claims 1, 2, 7, and 8 of U.S. Patent No. 6,464,846 and claims 44, 45, and 50 of the instant application substantially correspond to proposed Count VII.

The terms of the application claims 44, 45, and 50 corresponding to proposed Count VII are supported in Applicants' specification as follows:

Terms in Claims	Supporting Language in Specification
44. An electrically-conductive compression pad	pressure pad 82, figures 3, 4A and 4B
suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising:	cell system 60, figure 3
a single sheet of electrically-conductive material,	electrically conductive sheet 90, figures 4A and B, page 14, lines 7-19

said single sheet of electrically-conductive material having a top surface and a bottom surface; and	surfaces of sheet 90 are shown in figures 4A and B although not numbered; page 14, lines 7-19
elastomeric material	elastomeric member 92, figures 4A and B, page 14, line 7 – page 15, line 9
arranged on said single sheet of electrically- conductive material in such a way that, when said elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom surface of said single sheet.	"to provide for even distribution of compression " and "to assist in providing for the even distribution of compression," page 12, lines 1-21
45. The electrically-conductive compression pad as claimed in claim 44 wherein said elastomeric material is arranged on each of said top and bottom surfaces of said single sheet	elastomeric member 92 is shown in figures 4A and B at both the top and bottom surfaces of electrically conductive sheet 90
and wherein said single sheet of electrically- conductive material is bent to lie flush with said elastomeric material at one or more points on each of said top and bottom surfaces when said elastomeric material is compressed.	corrugated sheet 90 has depressed portions 98 and raised portions 94 which are shown flush with elastomeric member 92 in figure 4A and recessed in figure 4B, of the same pressure pad 82, page 14, line 7 – page 15, line 9
50. The electrically-conductive compression pad as claimed in claim 45 wherein said elastomeric material is a silicone.	"suitable elastomeric materials include, but are not limited to silicones," page 12, lines 16-21

COUNT VIII

An electrically-conductive compression pad suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising:

a single sheet of electrically-conductive material, said single sheet of electrically-conductive material having a top surface and a bottom surface;

single sheet;

elastomeric material arranged on said single sheet of electrically-conductive material in such a way that, when said elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom surface of said

wherein said elastomeric material is arranged on each of said top and bottom surfaces of said single sheet and wherein said single sheet of electrically-conductive material is bent to lie flush with said elastomeric material at one or more points on each of said top and bottom surfaces when said elastomeric material is compressed; and

wherein said single sheet of electrically-conductive material is circular in shape.

Claims 1, 2, and 10 of U.S. Patent No. 6,464,846 and claims 44, 45, and 51 of the instant application correspond to proposed Count VIII.

The terms of the application claim 44, 45, and 51 corresponding to proposed Count VIII are supported in Applicants' specification as follows:

Terms in Claims	Supporting Language in Specification
44. An electrically-conductive compression pad	pressure pad 82, figures 3, 4A and 4B
suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising:	cell system 60, figure 3
a single sheet of electrically-conductive material,	electrically conductive sheet 90, figures 4A and B, page 14, lines 7-19

said single sheet of electrically-conductive material having a top surface and a bottom surface; and	surfaces of sheet 90 are shown in figures 4A and B although not numbered; page 14, lines 7-19
elastomeric material	elastomeric member 92, figures 4A and B, page 14, line 7 – page 15, line 9
arranged on said single sheet of electrically- conductive material in such a way that, when said elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom surface of said single sheet.	"to provide for even distribution of compression " and "to assist in providing for the even distribution of compression," page 12, lines 1-21
45. The electrically-conductive compression pad as claimed in claim 44 wherein said elastomeric material is arranged on each of said top and bottom surfaces of said single sheet	elastomeric member 92 is shown in figures 4A and B at both the top and bottom surfaces of electrically conductive sheet 90
and wherein said single sheet of electrically- conductive material is bent to lie flush with said elastomeric material at one or more points on each of said top and bottom surfaces when said elastomeric material is compressed.	corrugated sheet 90 has depressed portions 98 and raised portions 94 which are shown flush with elastomeric member 92 in figure 4A and recessed in figure 4B, of the same pressure pad 82, page 14, line 7 – page 15, line 9
51. The electrically-conductive compression pad as claimed in claim 45 wherein said single sheet of electrically-conductive material is circular in shape.	The embodiment of figures 7-9 show a circular shaped pressure pad 382 having all the features of pressure pad 82, although employing dimples 396 as compared to corrugations (elastomeric members are disposed within the dimples and on both surfaces), see page 16, line 21 – page 18, line 5.

COUNT IX

An electrically-conductive compression pad suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising:

a single sheet of electrically-conductive material, said single sheet of electrically-conductive material having a top surface and a bottom surface;

elastomeric material arranged on said single sheet of electrically-conductive material in such a way that, when said elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom surface of said single sheet;

wherein said elastomeric material is arranged on each of said top and bottom surfaces of said single sheet and wherein said single sheet of electrically-conductive material is bent to lie flush with said elastomeric material at one or more points on each of said top and bottom surfaces when said elastomeric material is compressed; and

wherein said single sheet of electrically-conductive material is rectangular in shape.

Claims 1, 2, and 11 of U.S. Patent No. 6,464,846 and claims 44, 45, and 52 of the instant application correspond to proposed Count IX.

The terms of the application claims 44, 45, and 52 corresponding to proposed Count IX are supported in Applicants' specification as follows:

Terms in Claims	Supporting Language in Specification
44. An electrically-conductive compression	pressure pad 82, figures 3, 4A and 4B
pad	
suitable for use in an electrolysis cell stack,	cell system 60, figure 3
said electrically-conductive compression pad	, , ,
comprising:	
a single sheet of electrically-conductive	electrically conductive sheet 90, figures 4A
material,	and B, page 14, lines 7-19
asid single shoot of electrically conductive	sumforce of shoot 00 and shown in Founce 4A
said single sheet of electrically-conductive	surfaces of sheet 90 are shown in figures 4A
material having a top surface and a bottom	and B although not numbered; page 14, lines 7-
surface; and	19

elastomeric material	elastomeric member 92, figures 4A and B, page 14, line 7 – page 15, line 9
arranged on said single sheet of electrically- conductive material in such a way that, when said elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom surface of said single sheet.	"to provide for even distribution of compression" and "to assist in providing for the even distribution of compression," page 12, lines 1-21
45. The electrically-conductive compression pad as claimed in claim 44 wherein said elastomeric material is arranged on each of said top and bottom surfaces of said single sheet	elastomeric member 92 is shown in figures 4A and B at both the top and bottom surfaces of electrically conductive sheet 90
and wherein said single sheet of electrically- conductive material is bent to lie flush with said elastomeric material at one or more points on each of said top and bottom surfaces when said elastomeric material is compressed.	corrugated sheet 90 has depressed portions 98 and raised portions 94 which are shown flush with elastomeric member 92 in figure 4A and recessed in figure 4B, of the same pressure pad 82, page 14, line 7 – page 15, line 9
52. The electrically-conductive compression pad as claimed in claim 45 wherein said single sheet of electrically-conductive material is rectangular in shape.	the compression pad 82 shown in figure 4A is shown as rectangular in shape

COUNT X

An electrolysis cell stack comprising:

a first electrolysis cell;

a second electrolysis cell, said second electrolysis cell being arranged in series with said first electrolysis cell; and

an electrically-conductive compression pad interposed between said first electrolysis cell and said second electrolysis cell, said electrically-conductive compression pad suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising,

- (1) a single sheet of electrically-conductive material, said single sheet of electrically-conductive material having a top surface and a bottom surface,
- (2) elastomeric material arranged on said single sheet of electrically-conductive material in such a way that, when said elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom surface of said single sheet, and

wherein said elastomeric material is arranged on each of said top and bottom surfaces of said single sheet and wherein said single sheet of electrically-conductive material is bent to lie flush with said elastomeric material at one or more points on each of said top and bottom surfaces when said elastomeric material is compressed.

Claims 12, 1, and 2 of U.S. Patent No. 6,464,846 and claims 53, 44, and 45 of the instant application correspond to proposed Count X.

The terms of the application claims 53, 44, and 45 corresponding to proposed Count X are supported in Applicants' specification as follows:

53. An electrolysis cell stack comprising: a first electrolysis cell; a second electrolysis cell; a second electrolysis cell; a second electrolysis cell said second electrolysis cell being arranged in series with said first electrolysis cell; and the electrically-conductive compression pad of claim 45 interposed between said first electrolysis cell and said second electrolysis cell semployed in a stack as a part of the cell system.", page 8, lines 3-4. "The number of cells within the stack and the dimensions of the individual cells is scalable to the cell power output and/or gas output requirements.", page 8, lines 10-11. See Claims 44 and 45 below. Pressure pad 82 is disposed at the cell separator plate 84, whereby it is between cells of a stack. See figure 3. Pressure pad 82, figures 3, 4A and 4B cell system 60, figure 3 surfaces of sheet 90 are shown in figures 4A and B, page 14, lines 7-19 surfaces of sheet 90 are shown in figures 4A and B although not numbered; page 14, lines 7-19 elastomeric member 92, figures 4A and B, page 14, line 7 – page 15, line 9 "to provide for even distribution of compression," page 12, lines 1-21 "to provide for even distribution of compression," page 12, lines 1-21 lines 1-21	Terms in Claims	Supporting Language in Specification
a second electrolysis cell, said second electrolysis cell being arranged in series with said first electrolysis cell; and the electrically-conductive compression pad of claim 45 interposed between said first electrolysis cell and said second electrolysis cell and said second electrolysis cell and said second electrolysis cell. 44. An electrically-conductive compression pad suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising: a single sheet of electrically-conductive material, said single sheet of electrically-conductive material having a top surface and a bottom surface; and elastomeric material elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom system.", page 8, lines 3-4. "The number of cells within the stack and the dimensions of the individual cells is scalable to the cell power output and/or gas output requirements.", page 8, lines 10-11. See Claims 44 and 45 below. Pressure pad 82 is disposed at the cell separator plate 84, whereby it is between cells of a stack. See figure 3. Cell system 60, figure 3 cell system 60, figure 3 surfaces of sheet 90 are shown in figures 4A and B, page 14, lines 7-19 surfaces of sheet 90 are shown in figures 4A and B although not numbered; page 14, lines 7-19 "to provide for even distribution of compression" and "to assist in providing for the even distribution of compression," page 12, lines 1-21	53. An electrolysis cell stack comprising:	"Cell system 60 typically includes a plurality
electrolysis cell being arranged in series with said first electrolysis cell; and the electrically-conductive compression pad of claim 45 interposed between said first electrolysis cell and said second electrolysis cell and said second electrolysis cell and said second electrolysis cell. 44. An electrically-conductive compression pad suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising: a single sheet of electrically-conductive material, said single sheet of electrically-conductive material having a top surface and a bottom surface; and elastomeric material elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom cells within the stack and the dimensions of the individual cells is scalable to the cell power output and/or gas output requirements.", page 8, lines 10-11. See Claims 44 and 45 below. Pressure pad 82 is disposed at the cell separator plate 84, whereby it is between cells of a stack. See figure 3. pressure pad 82, figures 3, 4A and 4B cells within the stack and the dimensions of the individual cells is scalable to the cell power output and/or gas output requirements.", page 8, lines 10-11. See Claims 44 and 45 below. Pressure pad 82 is disposed at the cell separator plate 84, whereby it is between cells of a stack. See figure 3. cells within the stack and the dimensions of the individual cells is scalable to the cell power output and/or gas output requirements.", page 8, lines 10-11.		1 1
said first electrolysis cell; and the electrically-conductive compression pad of claim 45 interposed between said first electrolysis cell and said second electrolysis cell and said second electrolysis cell. 44. An electrically-conductive compression pad suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising: a single sheet of electrically-conductive material, said single sheet of electrically-conductive material having a top surface and a bottom substantially uniform pressure is exerted across each of said top surface and said bottom individual cells is scalable to the cell power output and/or gas output requirements.", page 8, lines 10-11. See Claims 44 and 45 below. Pressure pad 82 is disposed at the cell separator plate 84, whereby it is between cells of a stack. See figure 3. pressure pad 82, figures 3, 4A and 4B cell system 60, figure 3 electrically conductive sheet 90, figures 4A and B, page 14, lines 7-19 surfaces of sheet 90 are shown in figures 4A and B although not numbered; page 14, lines 7-19 elastomeric member 92, figures 4A and B, page 14, line 7 – page 15, line 9 "to provide for even distribution of compression" and "to assist in providing for the even distribution of compression," page 12, lines 1-21		
the electrically-conductive compression pad of claim 45 interposed between said first electrolysis cell and said second electrolysis cell and said second electrolysis cell. 44. An electrically-conductive compression pad suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising: a single sheet of electrically-conductive material, asid single sheet of electrically-conductive material having a top surface and a bottom surface; and elastomeric material elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom output and/or gas output requirements.", page 8, lines 10-11. See Claims 44 and 45 below. Pressure pad 82 is disposed at the cell separator plate 84, whereby it is between cells of a stack. See figure 3. ell system 60, figure 3 electrically conductive sheet 90, figures 4A and B, page 14, lines 7-19 surfaces of sheet 90 are shown in figures 4A and B although not numbered; page 14, lines 7-19 elastomeric member 92, figures 4A and B, page 14, line 7 – page 15, line 9 "to provide for even distribution of compression," page 12, lines 1-21		
the electrically-conductive compression pad of claim 45 interposed between said first electrolysis cell and said second electrolysis cell. 44. An electrically-conductive compression pad suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising: a single sheet of electrically-conductive material, said single sheet of electrically-conductive material having a top surface and a bottom surface; and elastomeric material elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom 8, lines 10-11. See Claims 44 and 45 below. Pressure pad 82 is disposed at the cell separator plate 84, whereby it is between cells of a stack. See figure 3. Pressure pad 82, figures 3, 4A and 4B cell system 60, figure 3 electrically conductive sheet 90, figures 4A and B, page 14, lines 7-19 surfaces of sheet 90 are shown in figures 4A and B although not numbered; page 14, lines 7-19 elastomeric member 92, figures 4A and B, page 14, line 7 – page 15, line 9 "to provide for even distribution of compression," page 12, lines 1-21 "to provide for even distribution of compression," page 12, lines 1-21	said first electrolysis cell; and	
the electrically-conductive compression pad of claim 45 interposed between said first electrolysis cell and said second electrolysis cell stack, said electrically-conductive compression pad comprising: a single sheet of electrically-conductive material, asid single sheet of electrically-conductive material having a top surface and a bottom surface; and elastomeric material elastomeric material is such a way that, when said elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom See Claims 44 and 45 below. Pressure pad 82 is disposed at the cell separator plate 84, whereby it is between cells of a stack. See figure 3. See Claims 44 and 45 below. Pressure pad 82 is disposed at the cell separator plate 84, whereby it is between cells of a stack. See figure 3. Cell system 60, figure 3 electrically conductive sheet 90, figures 4A and B, page 14, lines 7-19 surfaces of sheet 90 are shown in figures 4A and B although not numbered; page 14, lines 7-19 elastomeric member 92, figures 4A and B, page 14, line 7 – page 15, line 9 "to provide for even distribution of compression," page 12, lines 1-21		
pad of claim 45 interposed between said first electrolysis cell and said second electrolysis cell and said second electrolysis cell and said second electrolysis cell. 44. An electrically-conductive compression pad suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising: a single sheet of electrically-conductive material, said single sheet of electrically-conductive material having a top surface and a bottom surface; and elastomeric material elastomeric material in such a way that, when said elastomeric material in such a way that, when said elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom is disposed at the cell separator plate 84, whereby it is between cells of a stack. See figure 3. ### cell system 60, figure 3 electrically conductive sheet 90, figures 4A and B, page 14, lines 7-19 surfaces of sheet 90 are shown in figures 4A and B although not numbered; page 14, lines 7-19 elastomeric member 92, figures 4A and B, page 14, line 7 – page 15, line 9 "to provide for even distribution of compression" and "to assist in providing for the even distribution of compression," page 12, lines 1-21		S, MASS 10 111
pad of claim 45 interposed between said first electrolysis cell and said second electrolysis cell and said second electrolysis cell and said second electrolysis cell. 44. An electrically-conductive compression pad suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising: a single sheet of electrically-conductive material, said single sheet of electrically-conductive material having a top surface and a bottom surface; and elastomeric material elastomeric material in such a way that, when said elastomeric material in such a way that, when said elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom is disposed at the cell separator plate 84, whereby it is between cells of a stack. See figure 3. ### cell system 60, figure 3 electrically conductive sheet 90, figures 4A and B, page 14, lines 7-19 surfaces of sheet 90 are shown in figures 4A and B although not numbered; page 14, lines 7-19 elastomeric member 92, figures 4A and B, page 14, line 7 – page 15, line 9 "to provide for even distribution of compression" and "to assist in providing for the even distribution of compression," page 12, lines 1-21		
first electrolysis cell and said second electrolysis cell. 44. An electrically-conductive compression pad suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising: a single sheet of electrically-conductive material, said single sheet of electrically-conductive material having a top surface and a bottom surface; and elastomeric material elastomeric material in such a way that, when said elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom whereby it is between cells of a stack. See figure 3. pressure pad 82, figures 3, 4A and 4B cell system 60, figure 3 electrically conductive sheet 90, figures 4A and B, page 14, lines 7-19 surfaces of sheet 90 are shown in figures 4A and B although not numbered; page 14, lines 7-19 elastomeric member 92, figures 4A and B, page 14, line 7 – page 15, line 9 "to provide for even distribution of compression" and "to assist in providing for the even distribution of compression," page 12, lines 1-21	· · · · · · · · · · · · · · · · · · ·	· •
44. An electrically-conductive compression pad suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising: a single sheet of electrically-conductive material, said single sheet of electrically-conductive material having a top surface and a bottom surface; and elastomeric material elastomeric material elastomeric material in such a way that, when said elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom figure 3. pressure pad 82, figures 3, 4A and 4B cell system 60, figure 3 electrically conductive sheet 90, figures 4A and B, page 14, lines 7-19 surfaces of sheet 90 are shown in figures 4A and B although not numbered; page 14, lines 7-19 elastomeric member 92, figures 4A and B, page 14, line 7 – page 15, line 9 "to provide for even distribution of compression" and "to assist in providing for the even distribution of compression," page 12, lines 1-21		· · · · · · · · · · · · · · · · · · ·
44. An electrically-conductive compression pad suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising: a single sheet of electrically-conductive material, electrically conductive sheet 90, figures 4A and B, page 14, lines 7-19 suifaces of sheet 90 are shown in figures 4A and B although not numbered; page 14, lines 7-19 elastomeric material elastomeric material elastomeric material in such a way that, when said elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom pressure pad 82, figures 3, 4A and 4B cell system 60, figure 3 surfaces of sheet 90 are shown in figures 4A and B although not numbered; page 14, lines 7-19 "to provide for even distribution of compression" and "to assist in providing for the even distribution of compression," page 12, lines 1-21	· ·	· ·
suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising: a single sheet of electrically-conductive material, electrically conductive sheet 90, figures 4A and B, page 14, lines 7-19 said single sheet of electrically-conductive material having a top surface and a bottom surface; and elastomeric material elastomeric material elastomeric member 92, figures 4A and B, page 14, line 7 – page 15, line 9 arranged on said single sheet of electrically-conductive material in such a way that, when said elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom cell system 60, figure 3 electrically conductive sheet 90, figures 4A and B, page 14, lines 7-19 surfaces of sheet 90 are shown in figures 4A and B although not numbered; page 14, lines 7-19 "to provide for even distribution of compression" and "to assist in providing for the even distribution of compression," page 12, lines 1-21	cicciorysis cen.	liguic 3.
suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising: a single sheet of electrically-conductive material, electrically conductive sheet 90, figures 4A and B, page 14, lines 7-19 said single sheet of electrically-conductive material having a top surface and a bottom surface; and elastomeric material elastomeric material elastomeric member 92, figures 4A and B, page 14, line 7 – page 15, line 9 arranged on said single sheet of electrically-conductive material in such a way that, when said elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom cell system 60, figure 3 cell system 60, figure 3 cell system 60, figure 3 currange on said single sheet of electrically-conductive sheet 90 are shown in figures 4A and B although not numbered; page 14, lines 7-19 "to provide for even distribution of compression" and "to assist in providing for the even distribution of compression," page 12, lines 1-21	44. An electrically-conductive compression	pressure pad 82, figures 3, 4A and 4B
said electrically-conductive compression pad comprising: a single sheet of electrically-conductive material, electrically conductive sheet 90, figures 4A and B, page 14, lines 7-19 said single sheet of electrically-conductive material having a top surface and a bottom surface; and elastomeric material elastomeric material elastomeric member 92, figures 4A and B, page 14, line 7 – page 15, line 9 arranged on said single sheet of electrically-conductive material in such a way that, when said elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom electrically conductive sheet 90, figures 4A and B, page 14, lines 7-19 surfaces of sheet 90 are shown in figures 4A and B although not numbered; page 14, lines 7-19 "to provide for even distribution of compression " and "to assist in providing for the even distribution of compression," page 12, lines 1-21	pad	
said electrically-conductive compression pad comprising: a single sheet of electrically-conductive material, electrically conductive sheet 90, figures 4A and B, page 14, lines 7-19 said single sheet of electrically-conductive material having a top surface and a bottom surface; and elastomeric material elastomeric material elastomeric member 92, figures 4A and B, page 14, line 7 – page 15, line 9 arranged on said single sheet of electrically-conductive material in such a way that, when said elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom electrically conductive sheet 90, figures 4A and B, page 14, lines 7-19 surfaces of sheet 90 are shown in figures 4A and B although not numbered; page 14, lines 7-19 "to provide for even distribution of compression " and "to assist in providing for the even distribution of compression," page 12, lines 1-21	quitable for use in an electrolysis call steels	sell content 60. Second 2
a single sheet of electrically-conductive material, electrically conductive sheet 90, figures 4A and B, page 14, lines 7-19 said single sheet of electrically-conductive material having a top surface and a bottom surface; and elastomeric material elastomeric material elastomeric member 92, figures 4A and B, page 14, line 7 – page 15, line 9 arranged on said single sheet of electrically-conductive material in such a way that, when said elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom electrically conductive sheet 90, figures 4A and B, page 14, lines 7-19 "to provide for even distribution of compression" and "to assist in providing for the even distribution of compression," page 12, lines 1-21	· · · · · · · · · · · · · · · · · · ·	cell system 60, figure 3
a single sheet of electrically-conductive material, said single sheet of electrically-conductive material having a top surface and a bottom surface; and elastomeric material elastomeric material elastomeric material in such a way that, when said elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom electrically conductive sheet 90, figures 4A and B, page 14, lines 7-19 elastomeric member 92, figures 4A and B, page 14, line 7 – page 15, line 9 "to provide for even distribution of compression" and "to assist in providing for the even distribution of compression," page 12, lines 1-21	1	
material, said single sheet of electrically-conductive material having a top surface and a bottom surface; and elastomeric material elastomeric material elastomeric material in such a way that, when said elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom end B, page 14, lines 7-19 surfaces of sheet 90 are shown in figures 4A and B although not numbered; page 14, lines 7-19 elastomeric member 92, figures 4A and B, page 14, line 7 – page 15, line 9 "to provide for even distribution of compression " and "to assist in providing for the even distribution of compression," page 12, lines 1-21	- Comprising:	
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material having a top surface and a bottom surface; and elastomeric material elastomeric material arranged on said single sheet of electrically-conductive material in such a way that, when said elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom elastomeric member 92, figures 4A and B, page 14, line 7 – page 15, line 9 "to provide for even distribution of compression" and "to assist in providing for the even distribution of compression," page 12, lines 1-21	material,	and B, page 14, lines 7-19
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elastomeric material elastomeric member 92, figures 4A and B, page 14, line 7 – page 15, line 9 arranged on said single sheet of electrically- conductive material in such a way that, when said elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom elastomeric member 92, figures 4A and B, page 14, line 7 – page 15, line 9 "to provide for even distribution of compression " and "to assist in providing for the even distribution of compression," page 12, lines 1-21	· · · · · · · · · · · · · · · · · · ·	
arranged on said single sheet of electrically- conductive material in such a way that, when said elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom page 14, line 7 – page 15, line 9 "to provide for even distribution of compression " and "to assist in providing for the even distribution of compression," page 12, lines 1-21	1	
arranged on said single sheet of electrically- conductive material in such a way that, when said elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom page 14, line 7 – page 15, line 9 "to provide for even distribution of compression " and "to assist in providing for the even distribution of compression," page 12, lines 1-21		
arranged on said single sheet of electrically- conductive material in such a way that, when said elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom page 14, line 7 – page 15, line 9 "to provide for even distribution of compression " and "to assist in providing for the even distribution of compression," page 12, lines 1-21		1
arranged on said single sheet of electrically- conductive material in such a way that, when said elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom "to provide for even distribution of compression " and "to assist in providing for the even distribution of compression," page 12, lines 1-21	elastomeric material	. •
conductive material in such a way that, when said elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom compression " and "to assist in providing for the even distribution of compression," page 12, lines 1-21		page 14, line / – page 13, line 9
conductive material in such a way that, when said elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom compression " and "to assist in providing for the even distribution of compression," page 12, lines 1-21		
said elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom	, ,	· ·
substantially uniform pressure is exerted across lines 1-21 each of said top surface and said bottom	· ·	, <u> </u>
each of said top surface and said bottom	_ · · · · · · · · · · · · · · · · · · ·	
		IIIIes 1-21
	1	

45. The electrically-conductive compression pad as claimed in claim 44 wherein said elastomeric material is arranged on each of said top and bottom surfaces of said single sheet

elastomeric member 92 is shown in figures 4A and B at both the top and bottom surfaces of electrically conductive sheet 90

and wherein said single sheet of electricallyconductive material is bent to lie flush with said elastomeric material at one or more points on each of said top and bottom surfaces when said elastomeric material is compressed. corrugated sheet 90 has depressed portions 98 and raised portions 94 which are shown flush with elastomeric member 92 in figure 4A and recessed in figure 4B, of the same pressure pad 82, page 14, line 7 – page 15, line 9

COUNT XI

An electrolysis cell stack comprising:

a first electrolysis cell;

a second electrolysis cell, said second electrolysis cell being arranged in series with said first electrolysis cell; and

an electrically-conductive compression pad interposed between said first electrolysis cell and said second electrolysis cell, said electrically-conductive compression pad suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising,

- (1) a single sheet of electrically-conductive material, said single sheet of electrically-conductive material having a top surface and a bottom surface, and
- (2) elastomeric material arranged on said single sheet of electrically-conductive material in such a way that, when said elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom surface of said single sheet.

Claims 13 and 1 of U.S. Patent No. 6,464,846 and claims 54 and 44 of the instant application correspond to proposed Count XI.

The terms of the application claims 54 and 44 corresponding to proposed Count XI are supported in Applicants' specification as follows:

Terms in Claims	Supporting Language in Specification
54. An electrolysis cell stack comprising: a first electrolysis cell; a second electrolysis cell, said second electrolysis cell being arranged in series with said first electrolysis cell; and	"Cell system 60 typically includes a plurality of cells employed in a stack as a part of the cell system.", page 8, lines 3-4. "The number of cells within the stack and the dimensions of the individual cells is scalable to the cell power output and/or gas output requirements.", page 8, lines 10-11.

the electrically-conductive compression pad of claim 44 interposed between said first electrolysis cell and said second electrolysis cell.	See claim 44 below. Pressure pad 82 is disposed at the cell separator plate 84, whereby it is between cells of a stack. See figure 3.
44. An electrically-conductive compression pad	pressure pad 82, figures 3, 4A and 4B
suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising:	cell system 60, figure 3
a single sheet of electrically-conductive material,	electrically conductive sheet 90, figures 4A and B, page 14, lines 7-19
said single sheet of electrically-conductive material having a top surface and a bottom surface; and	surfaces of sheet 90 are shown in figures 4A and B although not numbered; page 14, lines 7-19
elastomeric material	elastomeric member 92, figures 4A and B, page 14, line 7 – page 15, line 9
arranged on said single sheet of electrically- conductive material in such a way that, when said elastomeric material is compressed, substantially uniform pressure is exerted across each of said top surface and said bottom surface of said single sheet.	"to provide for even distribution of compression " and "to assist in providing for the even distribution of compression," page 12, lines 1-21

COUNT XII

An electrically-conductive compression pad suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising:

a single sheet of electrically-conductive material, said single sheet of electrically-conductive material having a top surface and a bottom surface, said single sheet of electrically-conductive material being bent up and down to include a plurality of alternating ribs and

channels; and

elastomeric material mounted within said channels, said elastomeric material being dimensioned so that, when said elastomeric material is compressed, said elastomeric material lies flush with said ribs and exerts substantially uniform pressure across each of said top surface and said bottom surface of said single sheet.

Claim 14 of U.S. Patent No. 6,464,846 and claim 55 of the instant application correspond to proposed Count XII.

The terms of the application claim 55 corresponding to proposed Count XII are supported in Applicants' specification as follows:

Terms in Claim	Supporting Language in Specification
55. An electrically-conductive compression	pressure pad 82, figures 3, 4A and 4B
pad	
	11
suitable for use in an electrolysis cell stack,	cell system 60, figure 3
said electrically-conductive compression pad comprising:	
comprising.	
a single sheet of electrically-conductive	electrically conductive sheet 90, figures 4A
material,	and B, page 14, lines 7-19
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
said single sheet of electrically-conductive	surfaces of sheet 90 are shown in figures 4A
material having a top surface and a bottom	and B although not numbered, page 14, lines 7-
surface,	19

said single sheet of electrically-conductive material being bent up and down to include a plurality of alternating ribs and channels; and

corrugated sheet 90 having depressed portions 98 and raised portions 94, figures 4A and B, page 14, lines 7-19

elastomeric material

elastomeric member 92, figures 4A and B, page 14, line 7 – page 15, line 9

mounted within said channels, said elastomeric material being dimensioned so that, when said elastomeric material is compressed, said elastomeric material lies flush with said ribs and exerts substantially uniform pressure across each of said top surface and said bottom surface of said single sheet.

corrugated sheet 90 has depressed portions 98 and raised portions 94 which are shown flush with elastomeric member 92 in figure 4A and are recessed in Figure 4B, of the same pressure pad 82, page 14, line 7 – page 15, line 9

COUNT XIII

An electrically-conductive compression pad suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising:

a single sheet of electrically-conductive material, said single sheet of electrically-conductive material having a top surface and a bottom surface, said single sheet of electrically-conductive material being bent up and down to include a plurality of alternating ribs and channels;

elastomeric material mounted within said channels, said elastomeric material being dimensioned so that, when said elastomeric material is compressed, said elastomeric material lies flush with said ribs and exerts substantially uniform pressure across each of said top surface and said bottom surface of said single sheet; and

wherein said alternating ribs and channels are linear and parallel to one another.

Claims 14 and 15 of U.S. Patent No. 6,464,846 and claims 55 and 56 of the instant application correspond to proposed Count XIII.

The terms of the application claims 55 and 56 corresponding to proposed Count XIII are supported in Applicants' specification as follows:

Terms in Claims	Supporting Language in Specification
55. An electrically-conductive compression pad	pressure pad 82, figures 3, 4A and 4B
suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising:	cell system 60, figure 3
a single sheet of electrically-conductive material,	electrically conductive sheet 90, figures 4A and B, page 14, lines 7-19

said single sheet of electrically-conductive material having a top surface and a bottom surface,	surfaces of sheet 90 are shown in figures 4A and B although not numbered, page 14, lines 7-19
said single sheet of electrically-conductive material being bent up and down to include a plurality of alternating ribs and channels; and	corrugated sheet 90 having depressed portions 98 and raised portions 94, figures 4A and B, page 14, lines 7-19
elastomeric material	elastomeric member 92, figures 4A and B, page 14, line 7 – page 15, line 9
mounted within said channels, said elastomeric material being dimensioned so that, when said elastomeric material is compressed, said elastomeric material lies flush with said ribs and exerts substantially uniform pressure across each of said top surface and said bottom surface of said single sheet.	corrugated sheet 90 has depressed portions 98 and raised portions 94 which are shown flush with elastomeric member 92 in figure 4A and are recessed in Figure 4B, of the same pressure pad 82, page 14, line 7 – page 15, line 9
56. The electrically-conductive compression pad as claimed in claim 55 wherein said alternating ribs and channels are linear and parallel to one another.	corrugated sheet 90 having depressed portions 98 and raised portions 94 which are shown to be linear and parallel in figures 4A and B, page 14, lines 7-19

COUNT XIV

An electrically-conductive compression pad suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising:

a single sheet of electrically-conductive material, said single sheet of electrically-conductive material having a top surface and a bottom surface, said single sheet of electrically-conductive material being bent up and down to include a plurality of alternating ribs and channels;

elastomeric material mounted within said channels, said elastomeric material being dimensioned so that, when said elastomeric material is compressed, said elastomeric material lies flush with said ribs and exerts substantially uniform pressure across each of said top surface and said bottom surface of said single sheet; and

wherein said single sheet of electrically-conductive material is a sheet of metal.

Claims 14 and 16 of U.S. Patent No. 6,464,846 and claims 55 and 57 of the instant application correspond to proposed Count XIV.

The terms of the application claims 55 and 57 corresponding to proposed Count XIV are supported in Applicants' specification as follows:

Terms in Claims	Supporting Language in Specification
55. An electrically-conductive compression pad	pressure pad 82, figures 3, 4A and 4B
suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising:	cell system 60, figure 3
a single sheet of electrically-conductive material,	electrically conductive sheet 90, figures 4A and B, page 14, lines 7-19

said single sheet of electrically-conductive	surfaces of sheet 90 are shown in figures 4A
material having a top surface and a bottom	and B although not numbered, page 14, lines 7-
surface,	19
said single sheet of electrically-conductive	corrugated sheet 90 having depressed portions
material being bent up and down to include a	98 and raised portions 94, figures 4A and B,
plurality of alternating ribs and	page 14, lines 7-19
channels; and	
1.4	1 00 %
elastomeric material	elastomeric member 92, figures 4A and B, page 14, line 7 – page 15, line 9
mounted within said channels, said elastomeric	corrugated sheet 90 has depressed portions 98
material being dimensioned so that, when said	and raised portions 94 which are shown flush
elastomeric material is compressed, said	with elastomeric member 92 in figure 4A and
elastomeric material lies flush with said ribs	are recessed in Figure 4B, of the same pressure
and exerts substantially uniform pressure	pad 82, page 14, line 7 – page 15, line 9
across each of said top surface and said bottom	
surface of said single sheet.	
57. The electrically-conductive compression	suitable electrically conductive materials
pad as claimed in claim 55 wherein said single	include "conductive metals," page 12, lines 1-
sheet of electrically-conductive material is a sheet of metal.	14
Shoot of motal.	

COUNT XV

An electrically-conductive compression pad suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising:

a single sheet of electrically-conductive material, said single sheet of electrically-conductive material having a top surface and a bottom surface, said single sheet of electrically-conductive material being bent up and down to include a plurality of alternating ribs and channels;

elastomeric material mounted within said channels, said elastomeric material being dimensioned so that, when said elastomeric material is compressed, said elastomeric material lies flush with said ribs and exerts substantially uniform pressure across each of said top surface and said bottom surface of said single sheet;

wherein said single sheet of electrically-conductive material is a sheet of metal; and

wherein said metal is selected from the group consisting of niobium, titanium, zirconium, tantalum, copper, nickel, steel and hastelloys.

Claim 14, 16, and 17 of U.S. Patent No. 6,464,846 and claims 55, 57, and 58 of the instant application correspond to proposed Count XV.

The terms of the application claims 55, 57, and 58 corresponding to proposed Count XV are supported in Applicants' specification as follows:

Terms in Claims	Supporting Language in Specification
55. An electrically-conductive compression pad	pressure pad 82, figures 3, 4A and 4B
suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising:	cell system 60, figure 3

a single sheet of electrically-conductive material,	electrically conductive sheet 90, figures 4A and B, page 14, lines 7-19
said single sheet of electrically-conductive material having a top surface and a bottom surface,	surfaces of sheet 90 are shown in figures 4A and B although not numbered, page 14, lines 7-19
said single sheet of electrically-conductive material being bent up and down to include a plurality of alternating ribs and channels; and	corrugated sheet 90 having depressed portions 98 and raised portions 94, figures 4A and B, page 14, lines 7-19
elastomeric material	elastomeric member 92, figures 4A and B, page 14, line 7 – page 15, line 9
mounted within said channels, said elastomeric material being dimensioned so that, when said elastomeric material is compressed, said elastomeric material lies flush with said ribs and exerts substantially uniform pressure across each of said top surface and said bottom surface of said single sheet.	corrugated sheet 90 has depressed portions 98 and raised portions 94 which are shown flush with elastomeric member 92 in figure 4A and are recessed in Figure 4B, of the same pressure pad 82, page 14, line 7 – page 15, line 9
57. The electrically-conductive compression pad as claimed in claim 55 wherein said single sheet of electrically-conductive material is a sheet of metal.	suitable electrically conductive materials include "conductive metals," page 12, lines 1-14
58. The electrically-conductive compression pad as claimed in claim 57 wherein said metal is selected from the group consisting of niobium, titanium, zirconium, tantalum, copper, nickel, steel and hastelloys.	suitable electrically conductive materials include niobium, titanium, zirconium, tantalum, copper, nickel, steel and hastelloys, page 12, lines 1-14

COUNT XVI

An electrically-conductive compression pad suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising:

a single sheet of electrically-conductive material, said single sheet of electrically-conductive material having a top surface and a bottom surface, said single sheet of electrically-conductive material being bent up and down to include a plurality of alternating ribs and channels;

elastomeric material mounted within said channels, said elastomeric material being dimensioned so that, when said elastomeric material is compressed, said elastomeric material lies flush with said ribs and exerts substantially uniform pressure across each of said top surface and said bottom surface of said single sheet;

wherein said single sheet of electrically-conductive material is a sheet of metal; and wherein said metal is niobium.

Claims 14, 16, 17, and 18 of U.S. Patent No. 6,464,846 and claims 55, 57, and 59 of the instant application substantially correspond to proposed Count XVI.

The terms of the application claim 55, 57, and 59 corresponding to proposed Count XVI are supported in Applicants' specification as follows:

Terms in Claims	Supporting Language in Specification
55. An electrically-conductive compression pad	pressure pad 82, figures 3, 4A and 4B
suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising:	cell system 60, figure 3
a single sheet of electrically-conductive material,	electrically conductive sheet 90, figures 4A and B, page 14, lines 7-19

said single sheet of electrically-conductive material having a top surface and a bottom surface,	surfaces of sheet 90 are shown in figures 4A and B although not numbered, page 14, lines 7-19
said single sheet of electrically-conductive material being bent up and down to include a plurality of alternating ribs and channels; and	corrugated sheet 90 having depressed portions 98 and raised portions 94, figures 4A and B, page 14, lines 7-19
elastomeric material	elastomeric member 92, figures 4A and B, page 14, line 7 – page 15, line 9
mounted within said channels, said elastomeric material being dimensioned so that, when said elastomeric material is compressed, said elastomeric material lies flush with said ribs and exerts substantially uniform pressure across each of said top surface and said bottom surface of said single sheet.	corrugated sheet 90 has depressed portions 98 and raised portions 94 which are shown flush with elastomeric member 92 in figure 4A and are recessed in Figure 4B, of the same pressure pad 82, page 14, line 7 – page 15, line 9
57. The electrically-conductive compression pad as claimed in claim 55 wherein said single sheet of electrically-conductive material is a sheet of metal.	suitable electrically conductive materials include "conductive metals," page 12, lines 1-14
59. The electrically-conductive compression pad as claimed in claim 57 wherein said metal is niobium.	suitable electrically conductive materials include niobium, page 12, lines 1-14

COUNT XVII

An electrically-conductive compression pad suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising:

a single sheet of electrically-conductive material, said single sheet of electrically-conductive material having a top surface and a bottom surface, said single sheet of electrically-conductive material being bent up and down to include a plurality of alternating ribs and channels;

elastomeric material mounted within said channels, said elastomeric material being dimensioned so that, when said elastomeric material is compressed, said elastomeric material lies flush with said ribs and exerts substantially uniform pressure across each of said top surface and said bottom surface of said single sheet; and

wherein said elastomeric material is a rubber.

Claims 14 and 20 of U.S. Patent No. 6,464,846 and claims 55 and 60 of the instant application substantially correspond to proposed Count XVII.

The terms of the application claims 55 and 60 corresponding to proposed Count XVII are supported in Applicants' specification as follows:

Terms in Claims	Supporting Language in Specification
55. An electrically-conductive compression pad	pressure pad 82, figures 3, 4A and 4B
suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising:	cell system 60, figure 3
a single sheet of electrically-conductive material,	electrically conductive sheet 90, figures 4A and B, page 14, lines 7-19

said single sheet of electrically-conductive material having a top surface and a bottom surface,

surfaces of sheet 90 are shown in figures 4A and B although not numbered, page 14, lines 7-19

said single sheet of electrically-conductive material being bent up and down to include a plurality of alternating ribs and channels; and

corrugated sheet 90 having depressed portions 98 and raised portions 94, figures 4A and B, page 14, lines 7-19

elastomeric material

elastomeric member 92, figures 4A and B, page 14, line 7 – page 15, line 9

mounted within said channels, said elastomeric material being dimensioned so that, when said elastomeric material is compressed, said elastomeric material lies flush with said ribs and exerts substantially uniform pressure across each of said top surface and said bottom surface of said single sheet.

corrugated sheet 90 has depressed portions 98 and raised portions 94 which are shown flush with elastomeric member 92 in figure 4A and are recessed in Figure 4B, of the same pressure pad 82, page 14, line 7 – page 15, line 9

60. The electrically-conductive compression pad as claimed in claim 55 wherein said elastomeric material is a rubber

The term "rubber" is defined in U.S. Patent No. 6,464,846 as "elastomeric material including rubbers, such as silicone rubber, fluorosilicone rubber, nitrite rubber, and polyurethane," see column 6, lines 33-35 of U.S. Patent No. 6,464,846. The present application recites "suitable elastomeric materials include, but are not limited to silicones, such as, for example, fluorosilicones, fluoroelastomers...," see page 12, lines 16-21. In accordance with the use of the term "rubber" in U.S. Patent No. 6,464,846, the present application recites specifics of what are generally referred to as "rubber."

COUNT XVIII

An electrically-conductive compression pad suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising:

a single sheet of electrically-conductive material, said single sheet of electrically-conductive material having a top surface and a bottom surface, said single sheet of electrically-conductive material being bent up and down to include a plurality of alternating ribs and channels;

elastomeric material mounted within said channels, said elastomeric material being dimensioned so that, when said elastomeric material is compressed, said elastomeric material lies flush with said ribs and exerts substantially uniform pressure across each of said top surface and said bottom surface of said single sheet; and

wherein said elastomeric material is a silicone.

Claims 14, 20, and 21 of U.S. Patent No. 6,464,846 and claims 55 and 61 of the instant application substantially correspond to proposed Count XVIII.

The terms of the application claims 55 and 61 corresponding to proposed Count XVII are supported in Applicants' specification as follows:

Terms in Claims	Supporting Language in Specification
55. An electrically-conductive compression pad	pressure pad 82, figures 3, 4A and 4B
suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising:	cell system 60, figure 3
a single sheet of electrically-conductive material,	electrically conductive sheet 90, figures 4A and B, page 14, lines 7-19

said single sheet of electrically-conductive material having a top surface and a bottom surface,	surfaces of sheet 90 are shown in figures 4A and B although not numbered, page 14, lines 7-19
said single sheet of electrically-conductive material being bent up and down to include a plurality of alternating ribs and channels; and	corrugated sheet 90 having depressed portions 98 and raised portions 94, figures 4A and B, page 14, lines 7-19
elastomeric material	elastomeric member 92, figures 4A and B, page 14, line 7 – page 15, line 9
mounted within said channels, said elastomeric material being dimensioned so that, when said elastomeric material is compressed, said elastomeric material lies flush with said ribs and exerts substantially uniform pressure across each of said top surface and said bottom surface of said single sheet.	corrugated sheet 90 has depressed portions 98 and raised portions 94 which are shown flush with elastomeric member 92 in figure 4A and are recessed in Figure 4B, of the same pressure pad 82, page 14, line 7 – page 15, line 9
61. The electrically-conductive compression pad as claimed in claim 55 wherein said elastomeric material is a silicone.	"suitable elastomeric materials include, but are not limited to silicones," page 12, lines 16-21

COUNT XIX

An electrically-conductive compression pad suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising:

a single sheet of electrically-conductive material, said single sheet of electrically-conductive material having a top surface and a bottom surface, said single sheet of electrically-conductive material being bent up and down to include a plurality of alternating ribs and channels;

elastomeric material mounted within said channels, said elastomeric material being dimensioned so that, when said elastomeric material is compressed, said elastomeric material lies flush with said ribs and exerts substantially uniform pressure across each of said top surface and said bottom surface of said single sheet; and

wherein said single sheet of electrically-conductive material is circular in shape.

Claims 14 and 23 of U.S. Patent No. 6,464,846 and claims 55 and 62 of the instant application substantially correspond to proposed Count XIX.

The terms of the application claims 55 and 62 corresponding to proposed Count XIX are supported in Applicants' specification as follows:

Terms in Claims	Supporting Language in Specification
55. An electrically-conductive compression pad	pressure pad 82, figures 3, 4A and 4B
suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising:	cell system 60, figure 3
a single sheet of electrically-conductive material,	electrically conductive sheet 90, figures 4A and B, page 14, lines 7-19

said single sheet of electrically-conductive material having a top surface and a bottom surface, surfaces of sheet 90 are shown in figures 4A and B although not numbered, page 14, lines 7-19

said single sheet of electrically-conductive material being bent up and down to include a plurality of alternating ribs and channels; and corrugated sheet 90 having depressed portions 98 and raised portions 94, figures 4A and B, page 14, lines 7-19

elastomeric material

elastomeric member 92, figures 4A and B, page 14, line 7 – page 15, line 9

mounted within said channels, said elastomeric material being dimensioned so that, when said elastomeric material is compressed, said elastomeric material lies flush with said ribs and exerts substantially uniform pressure across each of said top surface and said bottom surface of said single sheet.

corrugated sheet 90 has depressed portions 98 and raised portions 94 which are shown flush with elastomeric member 92 in figure 4A and are recessed in Figure 4B, of the same pressure pad 82, page 14, line 7 – page 15, line 9

62. The electrically-conductive compression pad as claimed in claim 55 wherein said single sheet of electrically-conductive material is circular in shape.

The embodiment of figures 7-9 show a circular shaped pressure pad 382 having all the features of pressure pad 82, although employing dimples 396 as compared to corrugations (elastomeric members are disposed within the dimples and on both surfaces), see page 16, line 21 – page 18, line 5.

COUNT XX

An electrically-conductive compression pad suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising:

a single sheet of electrically-conductive material, said single sheet of electrically-conductive material having a top surface and a bottom surface, said single sheet of electrically-conductive material being bent up and down to include a plurality of alternating ribs and channels;

elastomeric material mounted within said channels, said elastomeric material being dimensioned so that, when said elastomeric material is compressed, said elastomeric material lies flush with said ribs and exerts substantially uniform pressure across each of said top surface and said bottom surface of said single sheet; and

wherein said single sheet of electrically-conductive material is rectangular in shape.

Claims 14 and 24 of U.S. Patent No. 6,464,846 and claims 55 and 63 of the instant application correspond to proposed Count XX.

The terms of the application claims 55 and 63 corresponding to proposed Count XX are supported in Applicants' specification as follows:

Terms in Claims	Supporting Language in Specification
55. An electrically-conductive compression pad	pressure pad 82, figures 3, 4A and 4B
suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising:	cell system 60, figure 3
a single sheet of electrically-conductive material,	electrically conductive sheet 90, figures 4A and B, page 14, lines 7-19

said single sheet of electrically-conductive material having a top surface and a bottom surface,	surfaces of sheet 90 are shown in figures 4A and B although not numbered, page 14, lines 7-19
said single sheet of electrically-conductive material being bent up and down to include a plurality of alternating ribs and channels; and	corrugated sheet 90 having depressed portions 98 and raised portions 94, figures 4A and B, page 14, lines 7-19
elastomeric material	elastomeric member 92, figures 4A and B, page 14, line 7 – page 15, line 9
mounted within said channels, said elastomeric material being dimensioned so that, when said elastomeric material is compressed, said elastomeric material lies flush with said ribs and exerts substantially uniform pressure across each of said top surface and said bottom surface of said single sheet.	corrugated sheet 90 has depressed portions 98 and raised portions 94 which are shown flush with elastomeric member 92 in figure 4A and are recessed in Figure 4B, of the same pressure pad 82, page 14, line 7 – page 15, line 9
63. The electrically-conductive compression pad as claimed in claim 55 wherein said single sheet of electrically-conductive material is rectangular in shape.	the compression pad 82 shown in Figure 4A is shown as rectangular in shape

COUNT XXI

An electrolysis cell stack comprising:

a first electrolysis cell;

a second electrolysis cell, said second electrolysis cell being arranged in series with said first electrolysis cell;

an electrically-conductive compression pad interposed between said first electrolysis cell and said second electrolysis cell, said electrically-conductive compression pad suitable for use in an electrolysis cell stack, said electrically-conductive compression pad comprising,

- (1) a single sheet of electrically-conductive material, said single sheet of electrically-conductive material having a top surface and a bottom surface, said single sheet of electrically-conductive material being bent up and down to include a plurality of alternating ribs and channels, and
- (2) elastomeric material mounted within said channels, said elastomeric material being dimensioned so that, when said elastomeric material is compressed, said elastomeric material lies flush with said ribs and exerts substantially uniform pressure across each of said top surface and said bottom surface of said single sheet.

Claims 25 and 14 of U.S. Patent No. 6,464,846 and claims 65 and 55 of the instant application correspond to proposed Count XXI.

The terms of the application claims 64 and 55 corresponding to proposed Count XXI are supported in Applicants' specification as follows:

Terms in Claims	Supporting Language in Specification
64. An electrolysis cell stack comprising:	"Cell system 60 typically includes a plurality
a first electrolysis cell;	of cells employed in a stack as a part of the cell
a second electrolysis cell, said second	system.", page 8, lines 3-4. "The number of
electrolysis cell being arranged in series with	cells within the stack and the dimensions of the
said first electrolysis cell; and	individual cells is scalable to the cell power
,	output and/or gas output requirements.", page
	8, lines 10-11.
the electrically-conductive compression	See Claim 55 below. Pressure pad 82 is
pad of claim 55 interposed between said first	disposed at the cell separator plate 84, whereby
electrolysis cell and said second electrolysis	it is between cells of a stack. See figure 3.
cell.	
55. An electrically-conductive compression	pressure pad 82, figures 3, 4A and 4B
pad	
suitable for use in an electrolysis cell stack,	cell system 60, figure 3
said electrically-conductive compression pad	cen system 60, figure 5
comprising:	
a single sheet of electrically-conductive	electrically conductive sheet 90, figures 4A
material,	and B, page 14, lines 7-19
said single sheet of electrically-conductive	surfaces of sheet 90 are shown in figures 4A
material having a top surface and a bottom	and B although not numbered, page 14, lines 7-
surface,	19
said single sheet of electrically-conductive	corrugated sheet 90 having depressed portions
material being bent up and down to include a plurality of alternating ribs and	98 and raised portions 94, figures 4A and B, page 14, lines 7-19
channels; and	page 14, 111105 /-17
,	
elastomeric material	elastomeric member 92, figures 4A and B,
	page 14, line 7 – page 15, line 9

mounted within said channels, said elastomeric material being dimensioned so that, when said elastomeric material is compressed, said elastomeric material lies flush with said ribs and exerts substantially uniform pressure across each of said top surface and said bottom surface of said single sheet.

corrugated sheet 90 has depressed portions 98 and raised portions 94 which are shown flush with elastomeric member 92 in figure 4A and are recessed in Figure 4B, of the same pressure pad 82, page 14, line 7 – page 15, line 9

The application has not yet had references cited by the U.S. Patent and Trademark Office. However, numerous references have been submitted by the applicant. These references have been considered in view of the newly presented claims 44 – 64. Newly presented claims 44-64 are believed to be patentable over the previously submitted references as an electrically-conductive compression pad suitable for use in an electrolysis cell stack having a single sheet of electrically-conductive material with an elastomeric material arranged thereon, configured as recited in said claims, is not taught nor suggested in said references.

Applicant's effective filing date (i.e., September 27, 2000) is earlier than the effective filing date of U.S. Patent No. 6,464,846 (i.e., December 21, 2000). This application claims benefit of Provisional U.S. Patent Application Serial Nos. 60/235,872, 60/235,629, and 60/235,871, all of which were filed September 27, 2000.

Entry and consideration of this Amendment are respectfully requested.

If there are any additional charges with respect to this Amendment or otherwise, please charge them to Deposit Account No. 06-1130 maintained by Applicants' attorney.

By:

Respectfully submitted,

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